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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,430	02/26/2004	Kenneth M. Sprouse	7784-000709	4760
27572	7590	03/29/2006	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C.			RODRIGUEZ, WILLIAM H	
P.O. BOX 828			ART UNIT	PAPER NUMBER
BLOOMFIELD HILLS, MI 48303			3746	

DATE MAILED: 03/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/787,430	Applicant(s) SPOUSE ET AL.	
	Examiner William H. Rodriguez	Art Unit 3746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-28 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/8/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-28 are allowed.

This case is an RCE of application 10/787,430. Claims 1-28 were previously allowed in the notice of allowability sent to applicant on 6/2/05. The current claims are exactly the same as the allowed claims and thus the claims are still allowable. See reasons for allowance on office action sent on 6/2/05.

This application is in condition for allowance except for the following formal matters:

In claim 1 line 4, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 1 lines 5-6, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 1 line 6, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 1 line 7, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 1 line 9, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 1 line 10, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

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In claim 2 line 2, the recitation “the first manifold” is presumed to be --the first **annular premix fuel** manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 3 line 2, the recitation “second premix fuel manifold” is presumed to be --second **annular** premix fuel manifold-- for proper clarity.

In claim 4 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 4 lines 2-3, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 4 line 3, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 6 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 9 lines 1-2, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 10 line 5, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 10 lines 6-7, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 10 line 7, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

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In claim 10 line 8, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 10 line 9, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 10 line 10, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 11 lines 2-3, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 12 line 2, the recitation “second premix fuel manifold” is presumed to be --second **annular** premix fuel manifold-- for proper clarity.

In claim 13 line 3, the recitation “the second premix fuel manifolds” is presumed to be--the second **annular** premix fuel manifolds-- for proper clarity and proper antecedent basis in the claim.

In claim 14 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 14 lines 2-3, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 16 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

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In claim 19 lines 1-2, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 20 lines 4-5, the recitation “the first pre-mix volume” is presumed to be --the first **venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 20 line 6, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 20 line 7, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 20 line 8, the recitation “the pre-mix volume” is presumed to be --the **first venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 21 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 22 line 2, the recitation “the second premix fuel manifold” is presumed to be --the second **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 23 lines 2-3, the recitation “the second premix fuel manifolds” is presumed to be--the second **annular** premix fuel manifolds-- for proper clarity and proper antecedent basis in the claim.

In claim 24 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

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In claim 24 line 4, the recitation “the first pre-mix volume” is presumed to be --the **first venturi shaped** pre-mix volume-- for proper clarity and proper antecedent basis in the claim.

In claim 24 line 4, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

In claim 26 line 2, the recitation “the first premix fuel manifold” is presumed to be --the first **annular** premix fuel manifold-- for proper clarity and proper antecedent basis in the claim.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

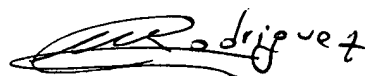
Contact information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Rodriguez whose telephone number is 571-272-4831. The examiner can normally be reached on Monday-Friday 7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S. Thorpe can be reached on 571-272-4444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



William H. Rodriguez
Primary Examiner
Art Unit 3746

3/27/06